



Status of the GOES-R Risk Reduction Program

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Vision

- ***Capable, informed users***
- ***Flexible inventive providers***
- ***Knowledge brokers that recognize new connections between capabilities and needs***
- ***Champions of new opportunities***

Evolving Activities

- Exploratory Algorithms, New Products and Applications
 - Multisensor
 - Multisatellite
 - Strong support of JPSS Risk Reduction
 - Data assimilation and nowcasting
 - Space weather and “option 2” algorithms
- GOES-R demonstrations and training
 - Demonstrate new GOES-R capabilities to public and private sector users in an efficient, timely manner
 - “Science Arm” of GOES-R Proving Ground

R3 conducts science and outreach activities that are needed for users to fully exploit all GOES-R instruments and capabilities

Current GOES-R3 Projects

● Severe Weather	CIRA, CIMMS, CREST, CIMSS, NESDIS, NSSL, UAH
● Aviation	CIFAR, CIMSS, NESDIS, UAH, UND
● Data Assimilation	CIRA, NESDIS, NGI, NWS
● Agriculture/Health	CICS, CREST, NESDIS
● Clouds	CICS, CREST, NESDIS
● Lightning Studies	CIMMS, NASA, SPORT
● Precipitation	CICS, NSSL, UND
● Space Weather	CIRES, NESDIS, NWS
● Testbed (proxy radiances)	CIMMS, CIMSS, CIRA
● Tropical Cyclones	CIMSS, CIRA, NESDIS
● Atmospheric Retrievals	CIMSS, NESDIS
● Oceans	CICS, CIOSS
● Imagery/Visualization	CIMSS, CREST
● Training	CIMSS, CIRA
● Land	CICS, NESDIS
● Air Quality	UMBC
● Cal/Val	CIMSS

Funding profiles

- FY11 projects were selected for 2 years (FY11 and FY12) with an option for a 3rd year (FY13) depending on results.
- Unanticipated cuts
 - $\text{FY12 Funds} = \text{FY11 Funds} \times 0.75 \text{ \{9 months\}}$
 - $\text{FY13 Funds} = \text{FY11 Funds} \times 0.25 \text{ \{3 months\}}$
 - If there is high interest from NOAT/SDEB then the GOES-R Senior Scientist will consider funding more months in FY13.

New Starts

Proposed Timeline

1. March: NOAT provides over-arching guidance on operational needs
2. May: Development organizations brief proposed projects to the SDEB, TAG, NOAT, and IAC
3. June: NOAT provides guidance on priorities of proposed projects
4. July: Letters of intent (LOI) are requested for suggested projects
5. Aug – Sep: The LOIs are reviewed by the executive board and a subset is asked to submit a full proposal.
6. Sep-Dec: Proposals are received and reviewed by a minimum of 3 reviewers. Reviewers include some combination of the executive board, TAG, NOAT, IAC, and external reviewers.
7. Jan: Final proposals selected for funding.



Questions?